

3M atd SPAG

W126 from on CASTNET

Tapp, Joshua

From: Wayland, Richard
Sent: Monday, March 04, 2013 7:56 AM
To: Evangelista, Mark; Tapp, Joshua
Cc: Frank, Neil
Subject: RE: Konza Prairie

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of always nice but not
1st goal of Castnet

Mark,

After reviewing the data, I only have one question. When we say "burn data", is that data from only the experimental burns or does that data include both experimental and regular burns upwind? I agree the data does not alter our conclusions as it appears the site is impacted by other influences outside the burns.

I guess if they are willing to re-site the monitor in Manhattan, we can still support that concept, but they should be aware that it is unlikely to eliminate the violations in the future based on the data we have from the past. I guess it seems like a significant expense on the state's part that will not likely change the result other than to get them out of NA initially as they will not have 3 years of data from the new site probably by the time we do designations again.

Chet

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From: Evangelista, Mark
Sent: Friday, March 01, 2013 3:38 PM
To: Tapp, Joshua
Cc: Frank, Neil; Wayland, Richard
Subject: Konza Prairie

Josh,

I have shared this information with Neil Frank and Chet Wayland, but they have not yet commented. Therefore the analyses and conclusions are my own, and don't represent AQAG or AQAD. I'm sending my analysis of the research burn dates to you now because of your time crunch. But please don't share the information until Neil and Chet have weighed in.

I have obtained all the dates for research burns near the Konza Prairie CASTNET site. Using all exceedance days at the site from 2002-12, I extracted those exceedance days during which there was a burn on that day or on the previous day – in case smoldering continued – and produced HYSPLIT trajectories for those days. I similarly produced trajectories for those exceedance days during which there was no burn on that day or on the previous day. Results of comparing these groups of trajectories, summarized in the attached ppt, don't appear to change my understanding of the relationship between the burns and the CASTNET site.

As I said above, that's my conclusion. I don't know how this analysis will affect the other issues under discussion, such as placing a monitor in Manhattan.

Mark Evangelista

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